

signal transmitted via a transmission channel, said electrical signal having signal information and redundancy information for said signal information determined from said signal information, the method comprising:

optimizing a target function having a model of a transmission channel via which said electrical signal was transmitted;

approximating a dependability degree for forming a digital signal value from said electrical signal based on said optimized target function; and

determining said digital signal value dependent on said dependability degree, wherein the model is a non-linear regression model of said transmission channel.

29. (Amended) An arrangement for determining at least one digital signal value from an electrical signal transmitted via a transmission channel, said electrical signal having signal information and redundancy information for said signal information, said arrangement comprising:

a computer unit having a processor and a memory including a program comprising:

optimizing a target function having a model of a transmission channel via which said electrical signal was transmitted;

approximating a dependability degree for forming a digital signal value from said electrical signal based on said optimized target function; and

determining said digital signal value dependent on said dependability degree, wherein the computer unit program is a non-linear regression model of said transmission channel.